

ARG83328 Human Endostatin ELISA Kit

Package: 96 wells
Store at: 4°C

Summary

Product Description	ARG83328 Human Endostatin ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human Endostatin in Serum, Plasma, Human milk and Cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	Endostatin
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	15 pg/ml
Detection Range	156 pg/ml - 10,000 pg/ml
Sample Type	Serum, Plasma, Human milk and Cell culture supernatants
Precision	Intra-Assay CV: 5.8% Inter-Assay CV: 6.2%
Alternate Names	KS; KNO; KNO1; Collagen alpha-1(XVIII) chain

Application Instructions

Assay Time	~ 5 hours
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Properties

Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

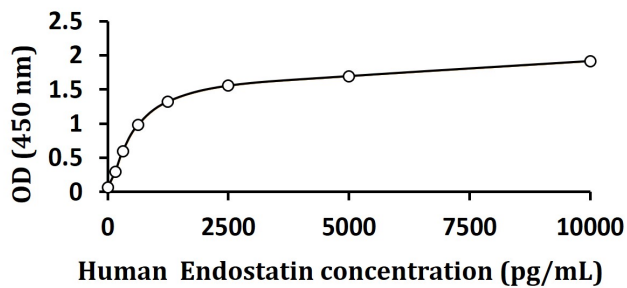
Bioinformation

Gene Symbol	COL18A1
Gene Full Name	collagen, type XVIII, alpha 1
Background	This gene encodes the alpha chain of type XVIII collagen. This collagen is one of the multiplexins, extracellular matrix proteins that contain multiple triple-helix domains (collagenous domains) interrupted by non-collagenous domains. A long isoform of the protein has an N-terminal domain that is homologous to the extracellular part of frizzled receptors. Proteolytic processing at several endogenous cleavage sites in the C-terminal domain results in production of endostatin, a potent antiangiogenic protein that is able to inhibit angiogenesis and tumor growth. Mutations in this gene are associated with Knobloch syndrome. The main features of this syndrome involve retinal abnormalities,

so type XVIII collagen may play an important role in retinal structure and in neural tube closure. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2014]

Function	COLA18A probably plays a major role in determining the retinal structure as well as in the closure of the neural tube.
Highlight	Endostatin potently inhibits endothelial cell proliferation and angiogenesis. May inhibit angiogenesis by binding to the heparan sulfate proteoglycans involved in growth factor signaling. [UniProt] Related products: Endostatin antibodies ; Endostatin ELISA Kits ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData
PTM	Prolines at the third position of the tripeptide repeating unit (G-X-Y) of the triple-helical regions are hydroxylated.

Images



ARG83328 Human Endostatin ELISA Kit standard curve image

ARG83328 Human Endostatin ELISA Kit results of a typical standard run with optical density reading at 450 nm.